



Patent

Attorney Docket No.: 053332-5002

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	application of:	)	C C N 2265
Zvi FI	ELDMAN, et al.	)	Confirmation No. 3265
Applic	eation No.: 09/991,870	)	Group Art Unit: 3722
Filed:	November 26, 2001	)	Examiner: E. Cadugan
For:	COMPUTER-CONTROLLED MILLING MACHINE FOR PRODUCING LENSES FOR CLIP-ON ACCESSORY	) ) )	<b>Certificate</b>
			DEC 1 5 2006
Custor Rando 401 D	Stop Certificate of Corrections Branch mer Service Window lph Building ulany Street ndra, VA 22314		of Correction

#### REQUEST FOR CERTIFICATE OF CORRECTION

This is a request for the issuance of a Certificate of Correction under 37 C.F.R. § 1.323 in the above-referenced patent. Copies of form PTO-1050 are enclosed. The complete Certificate of Correction involves five (5) pages.

Applicants respectfully request a correction of the assignee's name. Applicants submit that the assignment was recorded on February 24, 2003 at Real 013778, Frame 0277, which was before the issuance of the patent on September 26, 2006. Accordingly, correction under 37 C.F.R. 1.323 is requested. Since the assignment was recorded before payment of the issue fee, no fees under § 1.17(i) are believed to be necessary.

ATTORNEY DOCKET NO.: 053332-5002

Application No.: 09/991,870

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In addition, Applicants respectfully request the correction of errors in the claims that

occurred through the fault of the U.S. Patent Office. The claims in the issued patent do not

include the Examiner's Amendment accompanied with the Notice of Allowability dated April

18, 2005, a copy of which is enclosed herewith.

If there are any other fees due in connection with the filing of this Certificate of

Correction, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for

an extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is

requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

By:

ford A. Cangro

Dated: December 13, 2006

Customer No.: 009629

MORGAN, LEWIS & BOCKIUS LLP

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(Also Form PTO-1050)

# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 5

PATENT NO.: 7,111,372

DATED: September 26, 2006

INVENTOR(S): Zvi Feldman, Eyal Peleg

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the masthead page, item 73, please correct the assignee's name from "Opti-Clip Ltd." to --Opti-Clip International LLC--.

Column 7, line 2, cancel the text beginning with "1. A machine for shaping blanks" to and ending "by a motor." in column 7, line 37, and insert the following five claims:

- 1. A machine for shaping blanks to create filter lenses to be included in a clip-on accessory having a pair of filter lenses which, when the accessory is hitched onto a pair of eyeglasses, having two half sections, then lie in registration with these half sections, said eyeglasses having a predetermined geometry that is matched by the geometry of the filter lenses, said machine comprising:
- A. A pair of worktables each to support one of the blanks to be shaped, and each to be driven by a first motor;
  - B. A drill bit unit provided with a rotatable drill bit;
- C. An elevator supporting said drill bit unit and shiftable along a vertical axis to raise or lower the drill bit with respect to the blank on each worktable, and a second motor for driving the elevator;
- D. A carriage carrying said elevator and shiftable along a horizontal axis to move the drill bit back and forth with respect to said blanks, said carriage being driven by a third motor; and
- E. A processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form the filter lenses of the matching geometry.

MAILING ADDRESS OF SENDER:

PATENT NO. 7,111,372

Morgan, Lewis & Bockius LLP 1111 Pennsylvania Avenue, N.W. Washington, D.C. 20004

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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### UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO.: 7,111,372

DATED: September 26, 2006

INVENTOR(S): Zvi Feldman, Eyal Peleg

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

- 2. A machine as set forth in claim 1, in which said first, second and third motors are stepping motors each powered by a train of dc pulses, the polarity of which determines the extent and direction of movement.
- 3. A machine as set forth in claim 2, in which said processor controls the stepping motors by varying the number of pulses in the train and their polarity.
- 4. A machine as set forth in claim 1, in which the drill bit drills holes in said blanks to receive plugs of a clip for anchoring the clip on the filter lenses so that the accessory can be hitched onto the eyeglasses.
- 5. A machine as set forth in claim 1, in which the drill bit unit is driven to rotate continuously by a motor.

Column 7, line 41, cancel the text beginning with "7. A machine as set forth in 1" to and ending "direction of movement." in column 8, line 31, and insert the following seven claims:

- 7. A machine as set forth in 1, in which the processor includes a computer in which the database is digitally stored.
- 8. A machine as set forth in claim 7, further including an electronic scanner to scan the frame of the eyeglasses to which the clip-on accessory is to be hitched, the scanner supplying the computer with a digital image of the frame from which the data stored in the database is obtained.

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PATENT NO.: 7,111,372

DATED: September 26, 2006

INVENTOR(S): Zvi Feldman, Eyal Peleg

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

- 9. A machine as set forth in claim 1, in which each worktable is driven by its own said first motor through a shaft, and further including means to tension each said shaft to maintain the respective worktable at a set position.
- 10. A machine as set forth in claim 9, in which each tension means is provided by a spiral spring surrounding the respective shaft wherein one end of each spring is attached to the respective shaft, and the other end to a fixed body.
- 11. A machine as set forth in claim 1, wherein the machine is adapted to perform drilling, milling, cutting, notching, and engraving operations by means of the same drill bit.

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### UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO.: 7,111,372

DATED: September 26, 2006

INVENTOR(S): Zvi Feldman, Eyal Peleg

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

- 12. A machine for shaping blanks to create a pair of lenses of an auxiliary clip-on accessory to be attached onto the frame of a pair of eyeglasses, mounted in half sections of the frame, said frame having a predetermined geometry; said machine comprising:
- A. A pair of worktables each to support one of the blanks to be shaped, and each having a first motor for driving a respective one of the worktables;
  - B. A drill bit unit provided with a rotating drill bit;
- C. An elevator supporting said drill bit unit and shiftable along a vertical axis to raise or lower the drill bit with respect to the blank on each worktable, and a second motor for driving the elevator;
- D. A carriage carrying said elevator and shiftable along a horizontal axis to move the drill bit back and forth with respect to said blank, said carriage being driven by a third motor; and
- E. A processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form the accessory lenses of the desired geometry.
- 13. A machine as set forth in claim 12, in which said first, second and third motors are stepping motors each powered by a train of dc pulses, the polarity of which determines the extent and direction of movement.

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page <u>5</u> of <u>5</u>

PATENT NO.: 7,111,372

DATED: September 26, 2006

INVENTOR(S): Zvi Feldman, Eyal Peleg

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On column 8, line 36, in claim 15, please insert --drive-- before "motor."

Column 8, line 40, cancel the text beginning with "17. A machine as set forth in claim 12" to and ending "a fixed body." in column 8, line 52, and insert the following three claims:

- 17. A machine as set forth in claim 12, in which the processor includes a computer in which the database is digitally stored.
- 18. A machine as set forth in claim 12, in which each worktable is driven by its own said first motor through a shaft, and further including means to tension each said shaft to maintain the respective worktable at a set position.
- 19. A machine as set forth in claim 18, in which each tension means is provided by a spiral spring surrounding the respective shaft wherein one end of each spring is attached to the respective shaft, and the other end to a fixed body.

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PATENT NO. 7,111,372

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Notice of Allowability Exami		Art Unit		
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The MAILING DATE of this communication appears on All claims being allowable, PROSECUTION ON THE MERITS IS (OR RE herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and MF	MAINS) CLOSED in this ap r appropriate communicatio This application is subject PEP 1308.	oplication. If not include in will be mailed in due	ed course. THIS	
<ol> <li>This communication is responsive to <u>RCE filed 3/3/04, amdt of 3/8.</u></li> </ol>	/05, & interview of 4/14/05.			· · : : : : : : : : : : : : : : : : : :
2. X The allowed claim(s) is/are 28-46.				·
3. $\boxtimes$ The drawings filed on <u>26 November 2001</u> are accepted by the Exa	miner.			
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority under 35 (a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have been received.</li> <li>2. ☐ Certified copies of the priority documents have been received.</li> </ul>	eceived. eceived in Application No.			
3. Copies of the certified copies of the priority documents	s have been received in this	s national stage applica	ition from the	
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this c noted below. Failure to timely comply will result in ABANDONMENT of THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		y complying with the re	quirements	
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted. No INFORMAL PATENT APPLICATION (PTO-152) which gives reaso</li> </ol>			IOTICE OF	
6. CORRECTED DRAWINGS ( as "replacement sheets") must be sub	omitted.			
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1)  hereto or 2)  to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Amend Paper No./Mail Date	dment / Comment or in the	Office action of	·	: 33 4111
Identifying indicia such as the application number (see 37 CFR 1.84(c)) si each sheet. Replacement sheet(s) should be labeled as such in the heade			back) of	
DEPOSIT OF and/or INFORMATION about the deposit of B attached Examiner's comment regarding REQUIREMENT FOR THE	IOLOGICAL MATERIAL	must be submitted.	Note the	
Attachment(s)	5 Notice of Informat	Patent Annlication (PT	O_152\	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	<ul><li>5. ☐ Notice of Informal</li><li>6. ☐ Interview Summar</li></ul>		0-102)	
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4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statem	nent of Reasons for Allo	owance	
of Biological Material	9.  Other			
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#### **EXAMINER'S AMENDMENT**

- An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
   1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 2. Authorization for this examiner's amendment was given in a telephone interview with Mary Jane Boswell on April 14, 2005.
- 3. The application has been amended as follows:

Claim 28 (Currently Amended). A machine for shaping blanks to create filter lenses to be included in a clip-on accessory having a pair of filter lenses which, when the accessory is hitched onto a pair of eyeglasses, having two half sections, then lie in registration with these half sections, said eyeglasses having a predetermined geometry that is matched by the geometry of the filter lenses, said machine comprising:

- A. A [part] <u>pair</u> of worktables each to support one of the blanks to be shaped, and each <u>to</u> <u>be driven by [having]</u> a first motor [for driving the worktable];
  - B. A drill bit unit provided with a rotatable drill bit;
- C. An elevator supporting said drill bit unit and shiftable along a vertical axis to raise or lower the drill bit with respect to the blank on each worktable, and a second motor for driving the elevator;
- D. A carriage carrying said elevator and shiftable along a horizontal axis to move the drill bit back and forth with respect to said blanks, said carriage being driven by a third motor, and

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E. A processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor [to] coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form [a] the filter lenses of the [desired] matching geometry.

Claim 29 (Currently Amended). A machine as set forth in Claim 28, in which said first, second and third motors are stepping motors each powered by a train of dc pulses, the polarity of which determines the extent and direction of movement.

Claim 30 (Currently Amended). A machine as set forth in Claim 29, in which said [computer] processor controls the stepping motors by varying the number of pulses in the train and their polarity.

Claim 31 (Currently Amended). A machine as set forth in <u>claim</u> 28, in which the drill bit drills holes in said blanks to receive plugs of a clip for anchoring the clip on the filter lenses so that the accessory can be hitched onto the eyeglasses.

Claim 32 (Currently Amended). A machine as set forth in Claim 28, <u>in</u> which the drill bit unit is driven to rotate continuously by a motor

Claim 34 (Currently Amended). A machine as set forth in 28, in which [digitally stored in a database of the] the processor includes a computer in which the database is digitally stored [is digital data regarding the predetermined geometry of the frame, from which data the computer controls the motors to produce a filter lens having a matching geometry].

Claim 35. (Currently Amended) A machine as set forth in Claim 34, further including an electronic scanner to scan the frame of the eyeglasses to which the clip-on accessory is to be

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hitched, the scanner supplying the computer with a digital image of the frame from which the data stored in the database is obtained.

Claim 36 (Currently Amended). A machine as set forth in Claim 28, in which each worktable is driven by its own said first motor through a shaft, and further including means to tension each said shaft to maintain the <u>respective</u> worktable at a set position.

Claim 37 (Currently Amended) A machine as set forth in Claim 36, in which [the] each tension means is provided by a spiral spring surrounding [said] the respective shaft wherein one end of [the] each spring is attached to the respective shaft, and the other end to a fixed body.

Claim 38 (Currently Amended). A machine as set forth in Claim 28, wherein the machine is adapted to perform drilling, milling, cutting, [matching] notching, and engraving operations by means of the same drill bit.

Claim 39 (Currently Amended). A machine for shaping blanks to create a pair of lenses of an auxiliary clip-on accessory to be attached onto the frame of a pair of eyeglasses, mounted in half sections of the frame, said frame having a predetermined geometry; said machine comprising:

- A. A pair of worktables each to support one of the blanks to be shaped, and each having a first motor for driving a respective one of the worktables;
  - B. A drill bit unit provided with a rotating drill bit;
- C. An elevator supporting said drill bit unit and shiftable along a vertical axis to raise or lower the drill bit with respect to the blank on each worktable, and a second motor for driving the elevator;

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D. A carriage carrying said elevator and shiftable along a horizontal axis to move the drill bit back and forth with respect to said blank, said carriage being driven by a third motor, and

E. A processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor [to] coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form [a] the accessory lenses of the desired geometry.

Claim 40 (Currently Amended). A machine as set forth in Claim 39, in which said first, second and third motors are stepping motors each powered by a train of dc pulses, the polarity of which determines the extent and direction of movement.

Claim 42 (Currently Amended). A machine as set forth in Claim 39, in which the drill bit unit is driven to rotate continuously by a <u>drive</u> motor.

Claim 44 (Currently Amended) A machine as set forth in Claim 39, in which [digitally stored in a database of] the processor includes a computer in which the database is digitally stored [is digital data regarding the predetermined geometry of the frame, from which data the computer controls the motors to produce a lens having a matching geometry].

Claim 45 (Currently Amended). A machine as set forth in Claim 39, in which each worktable is driven by its own said first motor through a shaft, <u>and</u> further including means to tension <u>each</u> said shaft to maintain the <u>respective</u> worktable at a set position.

Claim 46 (Currently Amended) A machine as set forth in Claim 45, in which [the] <u>each</u> tension means is provided by a spiral spring surrounding [said] <u>the respective</u> shaft wherein one

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end of [the] <u>each</u> spring is [being] attached to the <u>respective</u> shaft, and the other end to a fixed body.

4. The following is an examiner's statement of reasons for allowance:

Note that each of U.S. Pat. No.'s 4,984,351 to Matsuyama et al. and 6,298,531 to

Baumbusch et al. teach machining devices having a pair of motor-driven worktables on which are mounted workpieces to be processed via machining tools that are horizontally and vertically movable (see Figures 1-4 of Matsuyama et al., for example and Figures 1-9 of Baumbusch et al., for example). However, neither of Matsuyama nor Baumbusch teach "[a] processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form the filter lenses of the matching geometry" as set forth in independent claim 29 nor "[a] processor including a digitally stored database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor coordinates the operation of the first, second and third motors to cause said drill bit to shape the blanks to form the accessory lenses of the desired geometry" as set forth in independent claim 39.

For at least this reason, neither Matsuyama nor Baumbusch anticipate the present invention as set forth in the independent claims.

Additionally, art, such as U.S. Pat. No. 5,546,140 to Underwood, that involves the production of lenses of a clip-on accessory, however, also does not teach the database in which is stored digital data regarding the predetermined geometry of the frame of the eyeglasses, from which data the processor coordinates...etc., but instead, in Underwood, the operator moves guide

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50 around eyeglasses 24 to trace the outline of the eyeglasses 24. As the guide 50 moves, the cutter will move along the clip-on accessory, cutting off portions of the accessory that extend beyond the eyeglasses. See col. 8, lines 37-45, for example.

The aforementioned prior art being representative of the closest prior art of record to the present invention as set forth in the independent claims, for at least the foregoing reasons, the prior art of record neither anticipates nor renders obvious the present invention as set forth in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erica E Cadugan whose telephone number is (571) 272-4474. The examiner can normally be reached on M-F, 7:30 a.m. to 5:00 p.m., alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris H. Banks can be reached on (571) 272-4419. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

: [2]

Erica E Cadugan Primary Examiner Art Unit 3722

eec

April 14, 2005